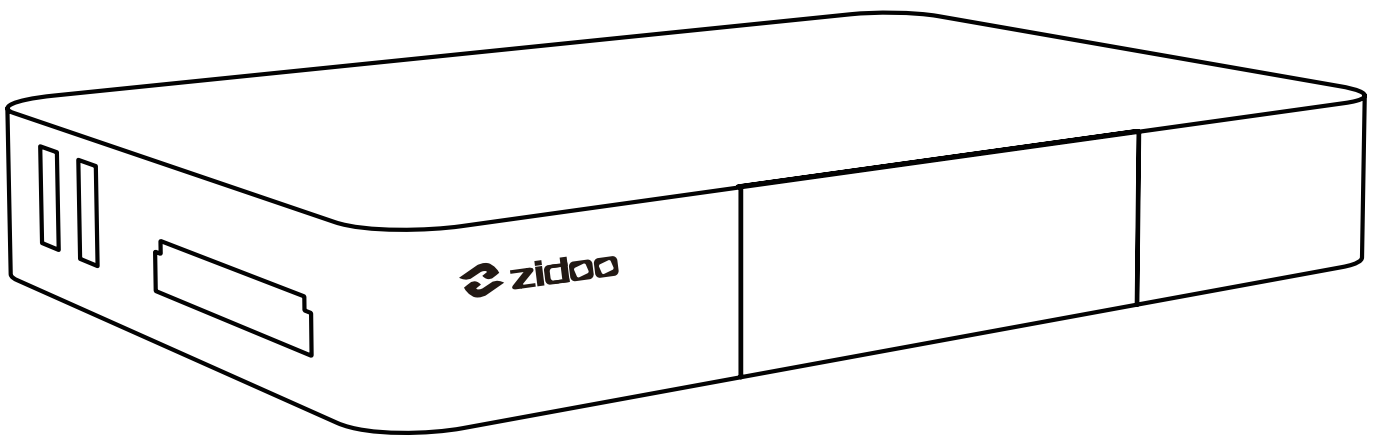




# Z9X 8K

## Product Manual 产品说明手册



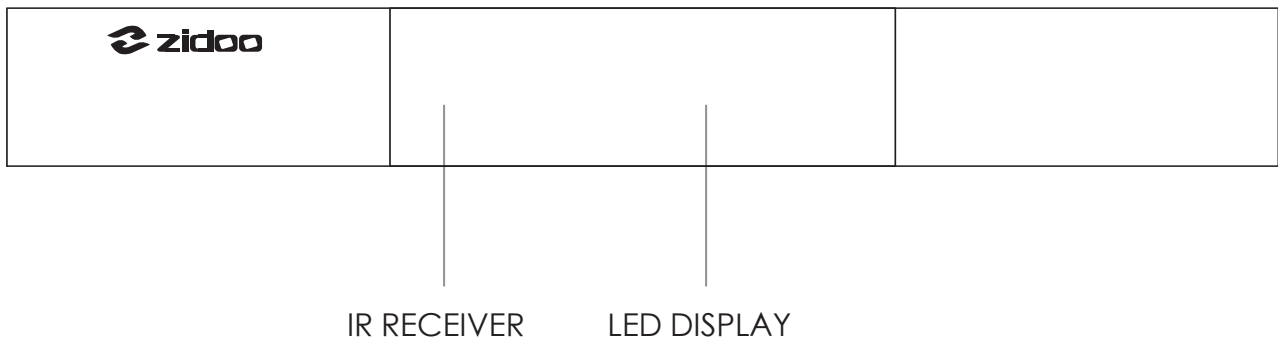
深圳市深智电科技有限公司  
ZIDOO TECHNOLOGY CO.,LTD.

# Introduction to Hardware

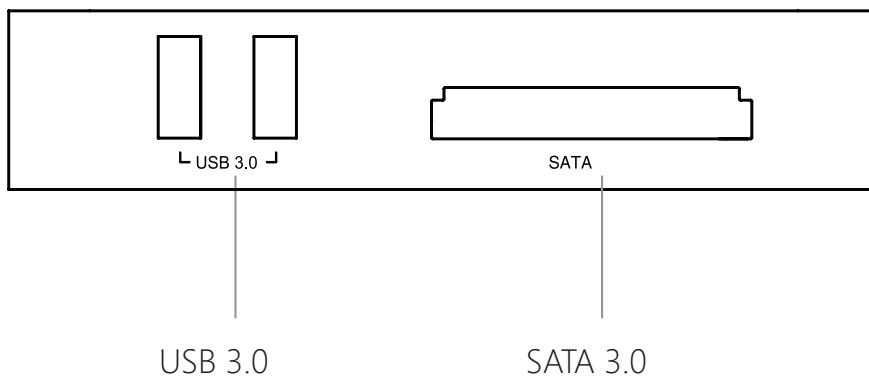
## Interfaces

The ZIDOO Z9X 8K is equipped with a wide range of audio and video input/output interfaces and data transfer ports.

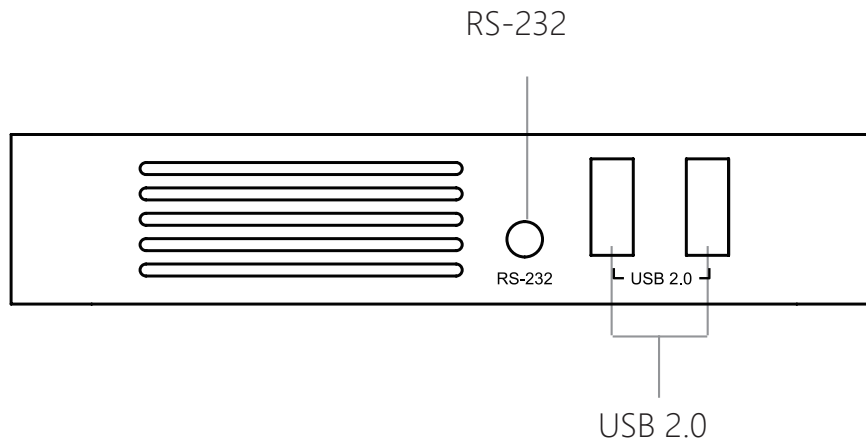
### 1. Front



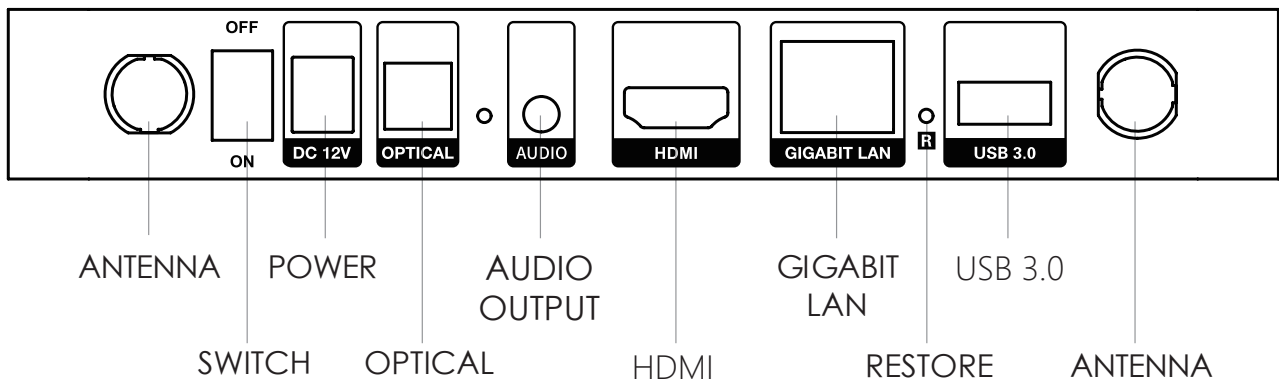
### 2. Left



### 3. Right



### 4. Back



#### Notes:

- \* Please install/replace the hard disk when the power is off. If it is a brand new hard disk, please format it before installing.
- \* Do not cover any ventilation holes with any objects.
- \* Avoid contact with liquids to prevent damage to the internal components.
- \* Do not open the casing unless you are an authorized repair personnel.

## Specifications

<b>Front Display</b>	LED
<b>Chassis Material</b>	Aluminum Alloy
<b>OS</b>	Android 11
<b>CPU</b>	Amlogic S928X-K ARM Cortex-A76+Cortex-A55 (Quad-core)
<b>GPU</b>	ARM Mali-G57 MC2
<b>RAM</b>	6GB DDR4
<b>Internal Storage</b>	64GB eMMC
<b>Bluetooth</b>	BT 5.2
<b>WI-FI 6</b>	2.4G+5G dual-band Wi-Fi, 802.11 a/b/g/n/ac/ax 2T2R, 802.11ax MIMO OFDM
<b>Ethernet</b>	RJ-45 Ethernet jack*1 (10/100 /1000Mbps)
<b>HDMI Output</b>	HDMI 2.1a, supports up to 8K@60p, HDR10+, 12Bit color depth, BT2020 wide color range; Supports HDR10, HDR10+, HLG, Dolby Vision; Supports Dolby Atmos and DTS X audio pass-through
<b>Video Decoding</b>	8K@60p AV1/VP9/H.265/AVS3/AVS2; HDR10, HDR10+, HLG, Dolby Vision
<b>Audio Decoding</b>	Supports Dolby/DTS format (supports up to Dolby TrueHD Atmos and DTS X) decoding
<b>Audio Output</b>	USB output,Optical output*1, 3.5mm headphone jack L/R Channel *1
<b>Intelligent Control</b>	APP control for iPhone,iPad landscape mode,Android phone,Android tablet landscape mode, RS-232, TCP/IP control (supports WOL)
<b>SATA</b>	SATA 3.0*1
<b>USB</b>	USB 3.0 *3, USB 2.0*2
<b>Power Supply</b>	DC 12V / 2A
<b>Other Interface</b>	Infrared receiver*1, RS232*1

## Example Connection

### 1. HDMI Connects to TV

1) Cut off the power of the devices. Please make sure the power of both the TV and this media player are off.

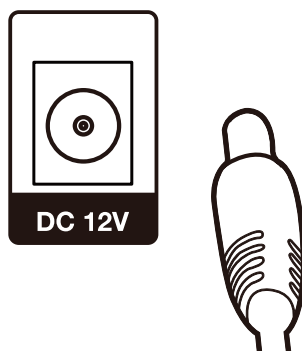


2) With both the TV and media player powered off, insert one end of the HDMI cable into the HDMI port of this device and the other end into the HDMI IN port of the TV.

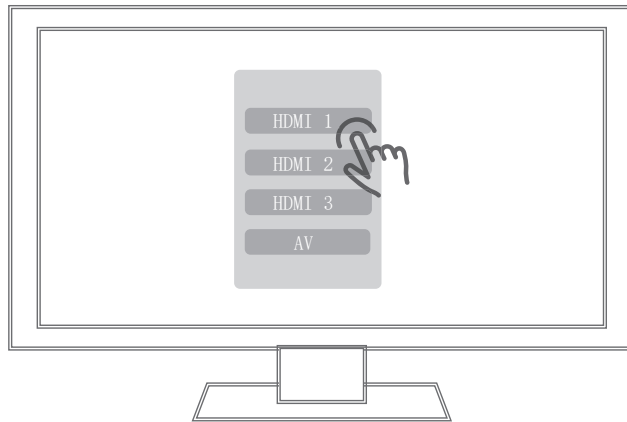


HDMI

3) Power connection: This device is equipped with suitable DC power adapter. Please connect the head of DC power adapter to the DC power input port of this device, then insert the plug of DC power adapter into the alternating current socket of 110~240V.



4) Select the corresponding video source on the TV.

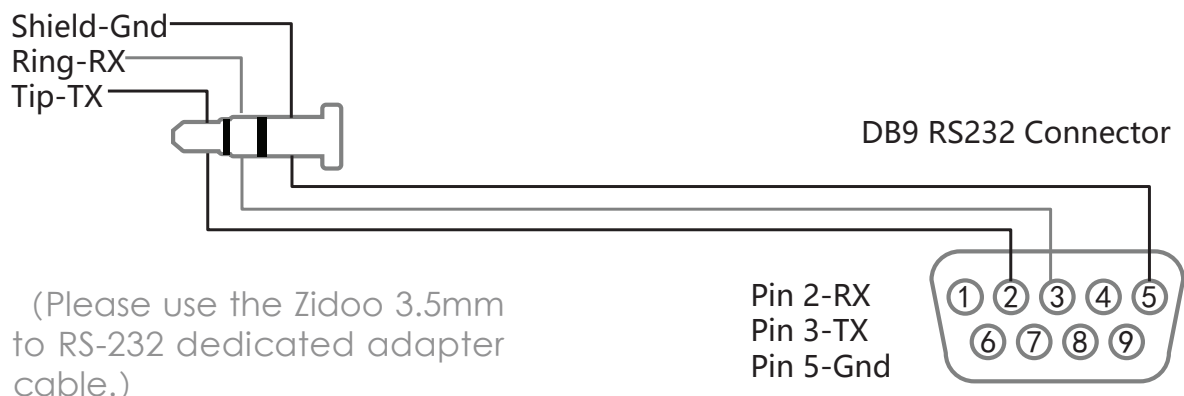


## 2. Connect Audio Cable to Amplifier or Active Speaker

Using a 3.5mm to dual RCA audio cable, connect one end to the Z9X 8K 3.5mm audio port and the other end to the RCA IN port on the amplifier or active speakers.



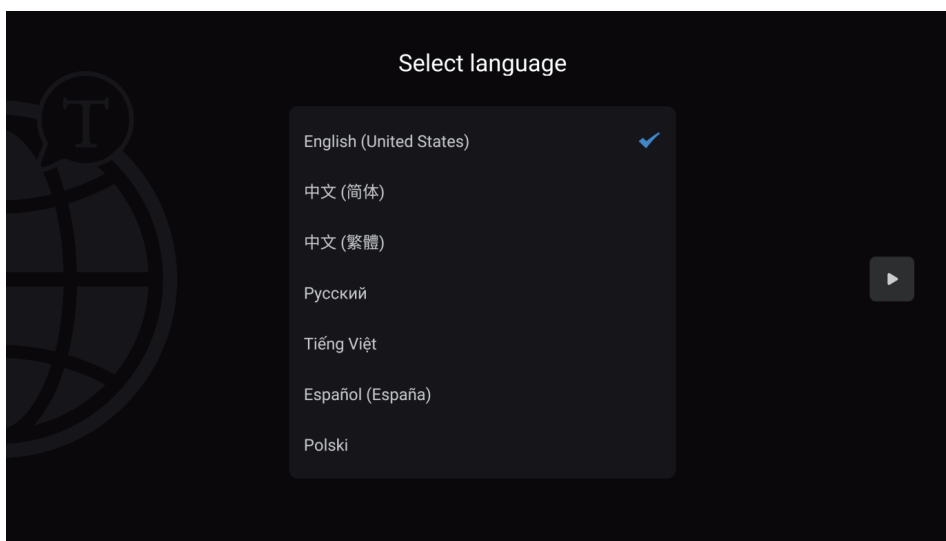
## 3. Assembly Sequence to Connect RS232 to 3.5mm Connector



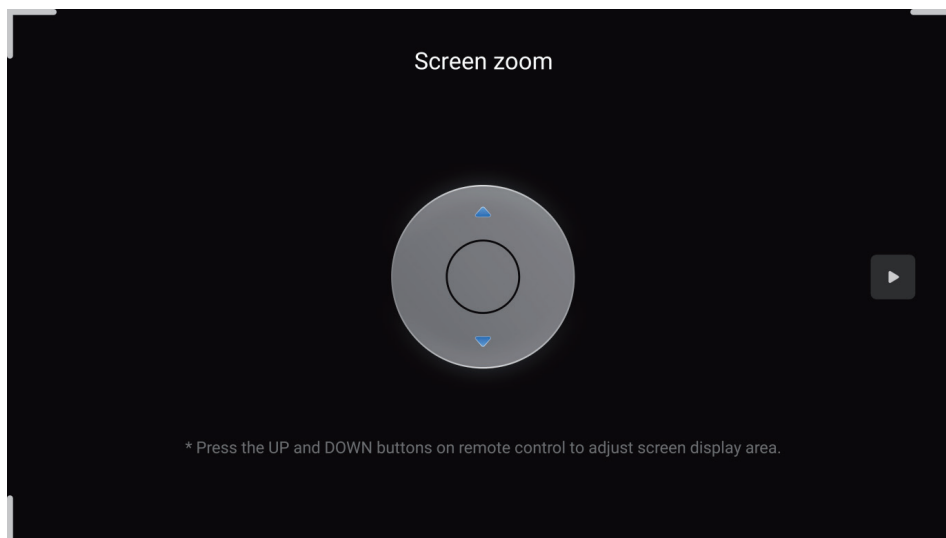
# Boot Initialization Wizard

## 1. System Language Selection, Screen Zoom, Time Zone Setting

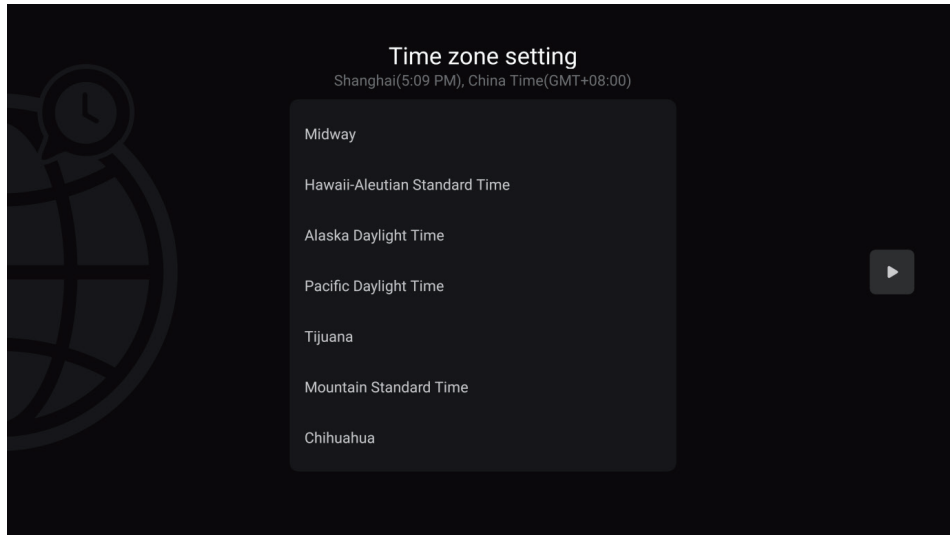
Choose the system language.



Press the UP and DOWN buttons on remote control to adjust screen display area.

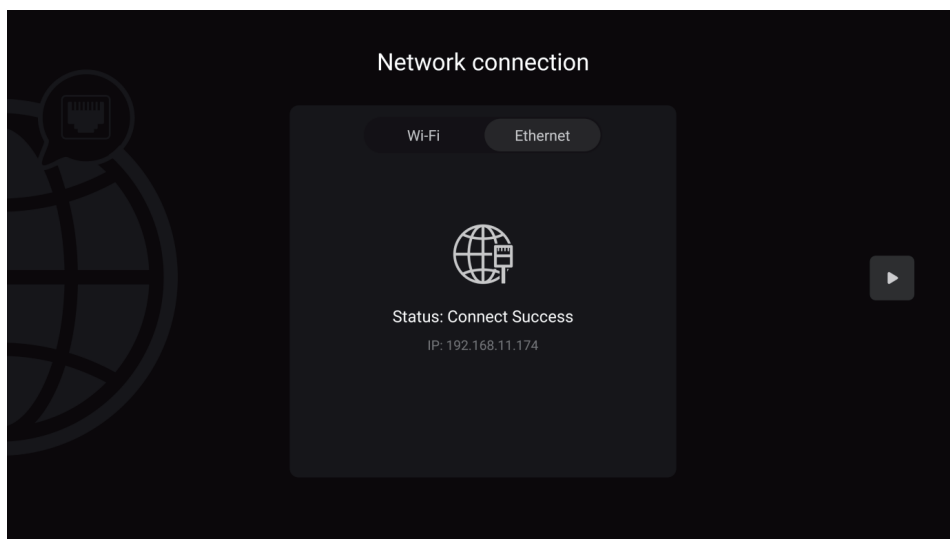


Select the time zone for the system according to your location.



## 2. Network Setting

Please configure the network settings according to the specific network conditions.



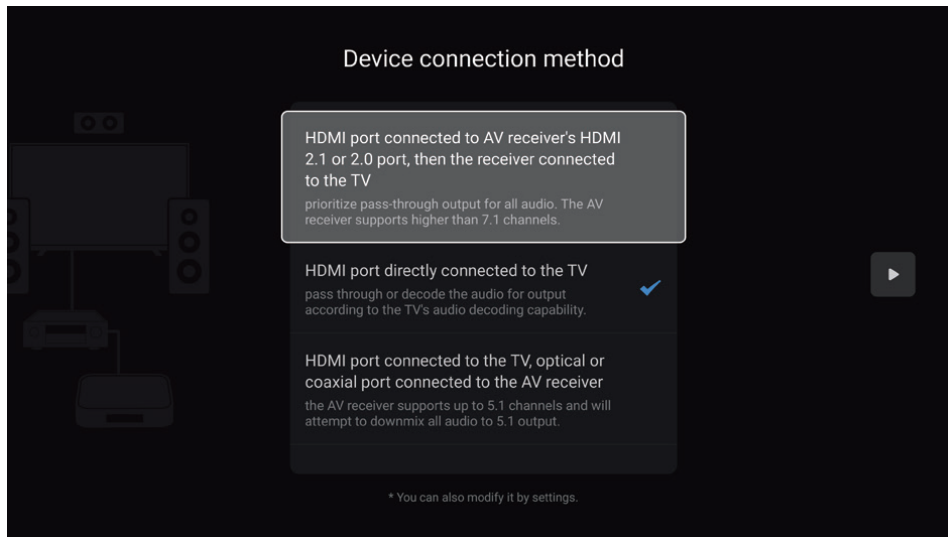
**Wi-Fi:** Select the network SSID, enter the password, and connect to Wi-Fi.

**Ethernet:** Plug in the Ethernet cable to automatically connect to the network.



## 3. Device Connection Methods

Choose the corresponding connection method based on your audio and video equipment.

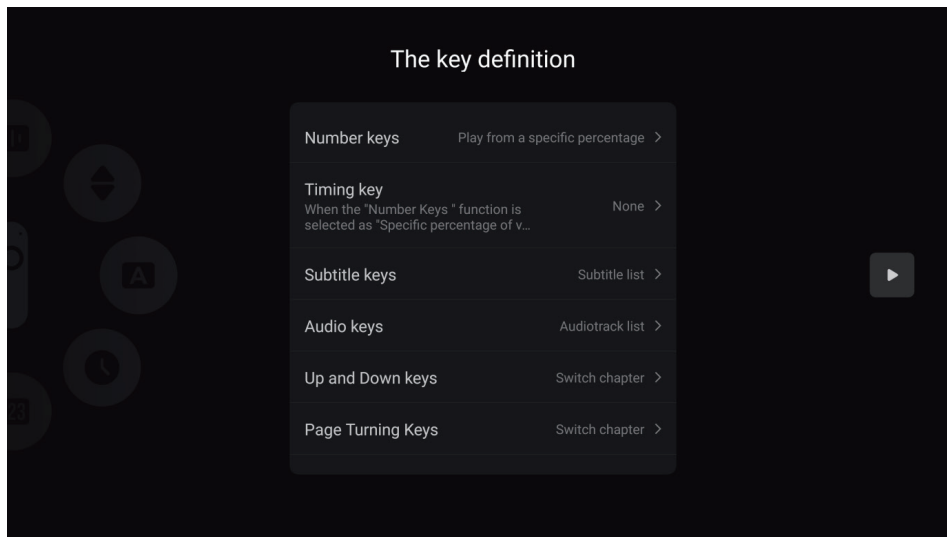


**Note:** The effects presented will vary depending on the different connection methods.

- HDMI port connected to AV receiver's HDMI 2.1 or 2.0 port, then the receiver connected to the TV: Choosing this setup, Z9X 8K will prioritize pass-through output for all audio. The AV receiver supports higher than 7.1 channels.
- HDMI port directly connected to the TV: Choosing this setup, Z9X 8K will pass through or decode the audio for output according to the TV's audio decoding capability.
- HDMI port connected to the TV, optical or coaxial port connected to the AV receiver: Choosing this setup, the AV receiver supports up to 5.1 channels and will attempt to downmix all audio to 5.1 output.
- HDMI port connected to an AV receiver with HDMI version lower than 1.3, then the AV receiver connected to the TV: Choosing this setup, Z9X 8K will attempt to downmix all audio to 5.1 output.

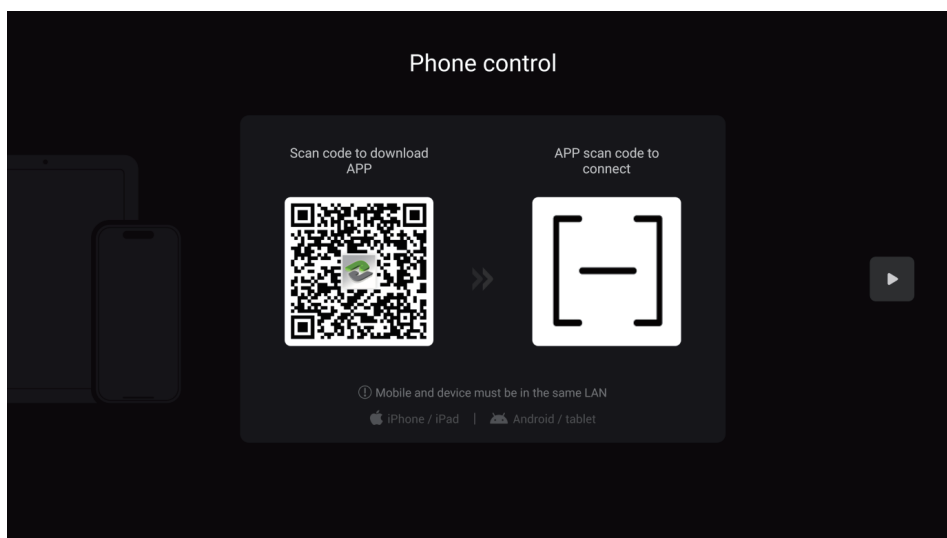
## 4. The Key Definition

Define the corresponding functions for number keys, timing keys, subtitle keys, audio keys, up and down keys and page keys on the remote control according to your preference.



## 5. Phone Control

Scan the QR code on the left to download and install the ZIDOO Control App, then launch the ZIDOO Control App to scan the QR code on the right and pair with the ZIDOO media player.



## 8K UHD MEDIA PLAYER

After completing the above settings, follow the prompts to click "Next" to complete the initialization setup, and then you can enjoy the audiovisual feast brought to you by ZIDOO products.

The ZIDOO Control App is compatible with Android and iOS smartphones/tablets (landscape mode). You can view the poster wall, music library data, system applications, and menus on it. You can also browse and play built-in streaming media services through the control app, enjoying a comfortable control experience.

The ZIDOO Control App supports screen mirroring, allowing you to cast the player's display screen and perform various controls on phones/tablets.

ZIDOO supports pure music mode: even without turning on the display device, you can still enjoy high-definition lossless music.

The ZIDOO Control App can remotely power on/off: it supports Wake-on-LAN (WOL) function, allowing you to remotely control the player's power switch via wired network.

The ZIDOO Control App has a floating button function, allowing you to perform various basic control functions through the floating window.

# Introduction to System

## 1. Media Center

ZIDOO has a complete full-featured media center, which has rich and comprehensive file management functions.

- Supports direct access to external drives and automatic or manual scanning of all available NFS or SMB network drives within the local area network, providing more flexible access to media in the same LAN.
- Offers various file management methods such as multi-selection, copy, cut, delete, sort, etc.
- Supports UPnP local network sharing protocol as well as mounting and online playback of various cloud drives such as WebDAV.

## 2. Poster Wall

ZIDOO is equipped with a poster wall movie management system that adopts a new algorithm, featuring a simple but effective navigation interface, personalized classification based on data, and highly customizable display of viewing records, genre classifications, intelligent recommendations, and more. The highly customizable modular management greatly improves the convenience of movie collection, fully meeting users' needs for efficient management of a large number of movies.

Instructions for adding videos:

- ① When launching the poster wall for the first time, you can configure language and child lock settings. If not needed, you can skip this step.

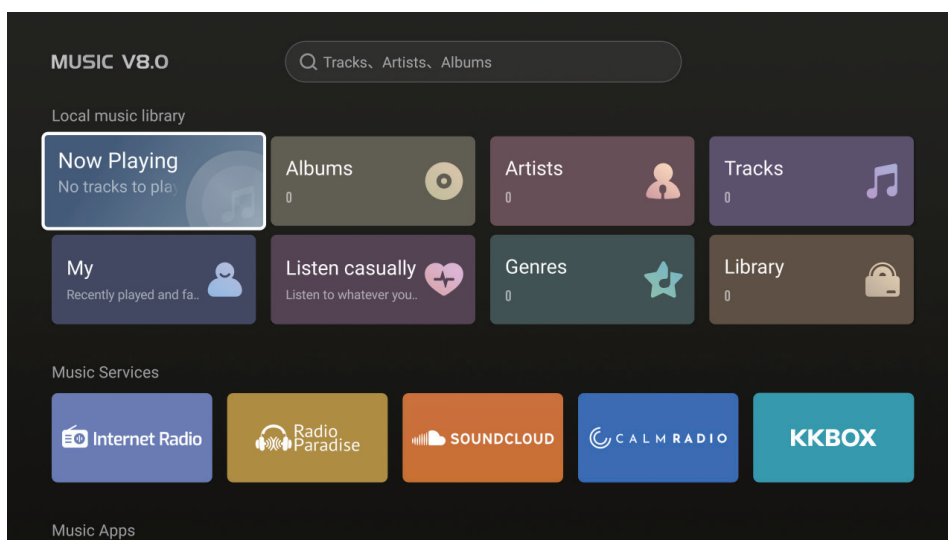
## 8K UHD MEDIA PLAYER

- ② On the homepage of the poster wall, click "Open Sources."
- ③ Click "Add Source" and select a video folder (supports adding multiple folders). The path supports internal and external storage, SMB, NFS, etc.
- ④ After configuring the scan options, click "Start Scan" and wait for the poster wall to finish loading.

**Note:** It is recommended to use intelligent scraping sources for the poster wall.

### 3. Music Player

The Z9X 8K music player provides powerful local music playback performance and management functions, allowing you to add music files from local hard drives or network storage across platforms. The music player automatically retrieves music information, matches music artists, album covers, local CUE files, etc., to construct an exclusive music database for us. It supports personalized classification display of music genres, sampling rates, albums, artists, etc., and supports functions such as creating favorite playlists.

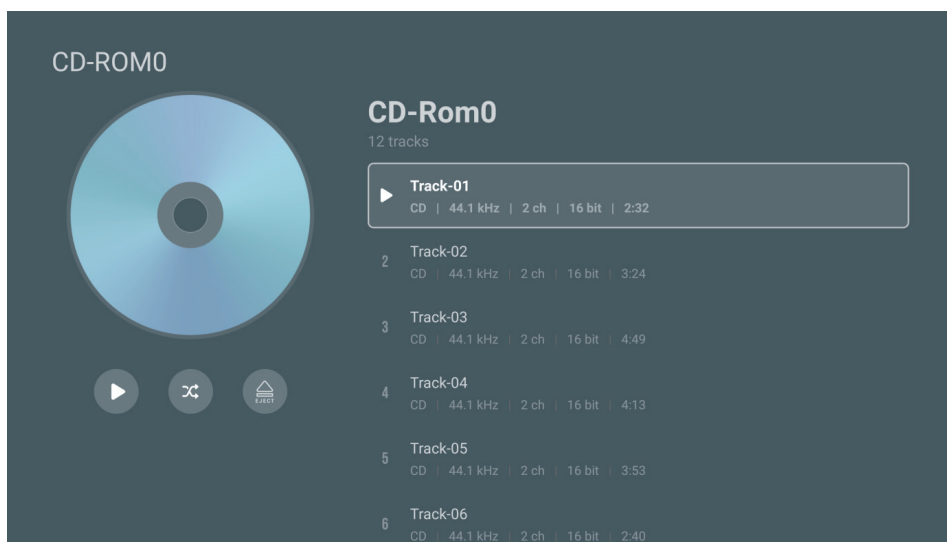


### 3.1 Instructions for Adding Music to Local Music Library

- ① Go to the "Library" section on the music player's homepage.
- ② Select and click on "Add Library".
- ③ Choose a music folder (supports adding multiple folders), with paths supported from internal and external storage, SMB, NFS, etc. After selecting, click "OK".
- ④ Finally, wait for the music player to finish scanning.

### 3.2 CD Playback

The Z9X 8K supports the playback of CDs via an external CD-Rom.



### 3.3 Music Player Settings Introduction

Access Guide: Pull down to the bottom of the homepage of the music player to enter the settings menu.

Play: The play menu includes features such as album skipping playback, folder skipping playback, playlist skipping playback, auto-play queue on startup, and entering to the playback interface once start playing.

## 8K UHD MEDIA PLAYER

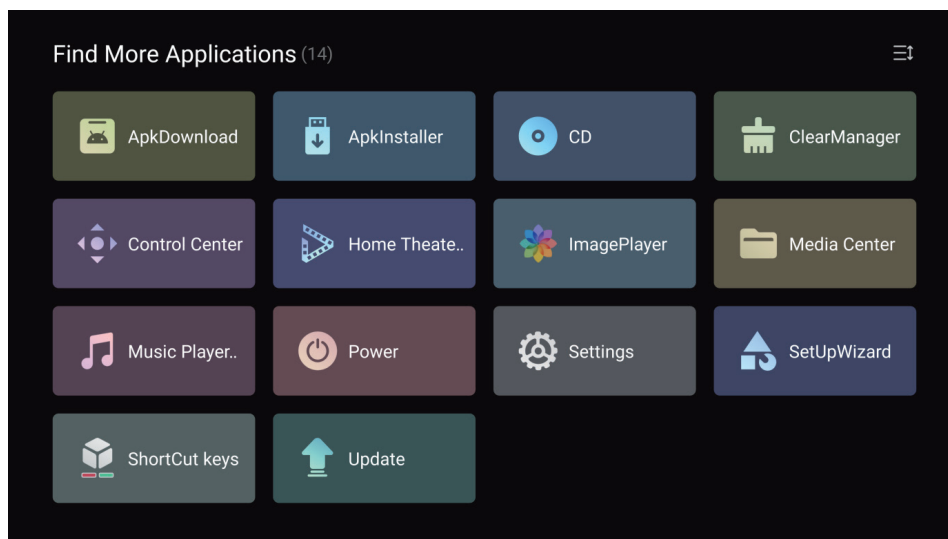
**Scan:** The scan menu includes features such as matching method, prioritizing local images, not scanning songs under 500kb, automatic updating sources, and scanning music formats.

**Display:** The display menu includes features of displaying playback details with a background image.

**General:** The general menu includes features such as backup and restore, resetting the music library, and clearing the cache etc.

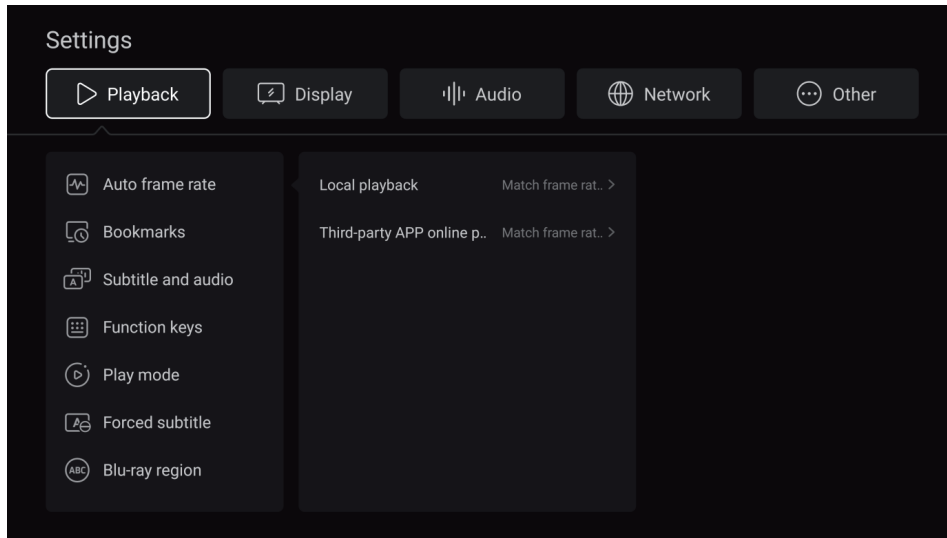
### 4. Applications

Display all installed applications on the player, including built-in and third-party applications. By pressing the App icon, you can bring up the function menu, which supports settings such as launch on start-up, clear data, and uninstall (third-party applications).



## 5. Settings

Access Guide: On the homepage, click the "  " icon on the far right.



### 5.1 Playback

The playback settings include features such as auto frame rate, bookmarks, subtitles and audio, function keys, playback mode, forced subtitle, Blu-ray region, subtitle download, digital signage mode, and other functionalities.

#### Auto Frame Rate

ZIDOO media players support precise automatic switching of native resolution and frame rate (support 23.976, 24, 25, 29.97, 30, 50, 59.94, 60) for both local and third-party app online playback. It uses a new automatic switching algorithm that completes the pre-switching before the movie starts, ensuring the completeness of the movie presentation.

ZIDOO supports auto frame rate settings for both "local playback" and "third-party app online playback." You can choose to turn off



auto frame rate; Alternatively, you can select "match frame rate only", when playing a video, the player will automatically switch to the same frame rate as the source. Additionally, you can choose "match frame rate and resolution", when playing a video, the player will automatically switch to the same resolution and frame rate as the source.

**Note:** Enabling this option will require HDMI to re-handshake at the start and end of video playback, causing the display device to go black for a few seconds.

## 5.2 Display

In the display settings, there are options for resolution, color settings, HDR, custom EDID, screen scale, picture parameters, AI image process, UI interface resolution, screensaver, wallpaper, and other function settings.

### ① Color Settings

Set the player's color space and color depth priority for output at 8K, 4K, and below 4K resolutions, as well as the HDMI signal format. The HDMI format can be set to either Standard or Enhanced format.

**Notes:**

\* When you select the Enhanced format, if your display device supports it, you will be able to achieve a maximum output of 8K 422 12-bit.

\* Please ensure you are using a high-quality HDMI cable that supports 48G bandwidth.

## ② HDR Settings

- UI Display Mode: The UI display mode can be set to one of three options: SDR, HDR, or DV.

- HDR Output Mode:

Auto: The player adapts to output the optimal image mode based on the source and the display device's capabilities.

Dolby Vision Output Mode: When the display device supports both TV-led and LLDV Dolby Vision modes, this option will appear in the menu and allow for custom switching. If the display device supports only either TV-led or LLDV, this option will be hidden and the player will automatically adapt its output. If the display device does not support Dolby Vision, this option will automatically be hidden and will not be functional.

Advanced Settings: Advanced mode allows different types of content to be converted to another format as needed. Additionally, the VS10 Dolby Vision engine can be customized to engage based on the content. This feature provides professional users with greater flexibility, while regular users can set it to automatic.

## HDR Advanced Settings

Video Format	Output Mode
SDR Content Output Mode	SDR (default) ,HDR,DV
HDR10 Content Output Mode	SDR,HDR (default) ,DV
HDR10+ Content Output Mode	SDR,HDR,HDR10+ (default) ,DV
HLG Content Output Mode	SDR,HLG (default) ,DV
DV Content Output Mode	SDR,HDR,DV (default)
Dolby VS10 for SDR Content	Yes,No (default)
Dolby VS10 for HDR10 Content	Yes,No (default)
Dolby VS10 for HDR10+ content	Yes,No (default)
Dolby VS10 for HLG Content	Yes,No (default)
Dolby VS10 for DV Content	Yes,No (default)

### ③ AI Image Process

- **AI Image Enhancement:** Using artificial intelligence to identify the content scene and adjust the color saturation, brightness, sharpness, dynamic compensation, and intelligent noise reduction of the picture frame by frame according to different scenes, thereby enhancing the overall image quality.
- **Enable AI SR(super-resolution):** By utilizing upscaling technology and deep learning capabilities to achieve image super-resolution, it can intelligently enhance the resolution of content presented from streaming media, cable TV, and discs, making the picture clearer. Combined with MEMC dynamic compensation, it can provide a more spectacular 4K viewing experience.

**Note:** AI image enhancement only applies to videos with 1080P resolution or lower and is effective when the current output is higher than 1080P. Please disable the "Match frame rate and resolution" feature when enabling this option.

### 5.3 Audio Settings

● **Audio Output:** Decode and play audio and video using the internal player. Support HDMI output, Optical/Coaxial output, and USB audio output.

Digital Ports	Output Capability
HDMI output	Supports Dolby Atmos and DTS-X, with downward compatibility
OPT/COAX	Supports DD/DTS5.1, audio sample rate support up to PCM192Khz
USB Audio Output	Supports up to DSD512 / PCM768Khz 32bit

### ● Delay Playback

When the HDMI port, Audio port, OPT/COAX connection to the AV preamp, and USB connection to the preamp are connected, changes in the sampling rate can cause the first few seconds of the track to be silent due to the audio recognition speed of the preamp. This option can be set to delay playback to avoid this situation. Please adjust the appropriate delay time according to the response speed of your preamp.

**Note:** This feature only applies to pure audio, supporting delay adjustment from 0 to 5000ms.

## 5.4 Network Settings

This menu supports settings for Wi-Fi, Ethernet, Bluetooth, Samba server, portable hotspot, and other functions.

## 5.5 Other Settings

This menu includes advanced settings such as language, HDMI CEC, power mode, HDD sleep, fan control, front display panel, keyboards, date and time, show hourly time, main interface weather, upgrade, recovery and reset, and about, etc.

### ● HDMI CEC

CEC, short for Consumer Electronics Control, is a means of control conducted through HDMI. CEC control allows users to enjoy many conveniences by using a single remote to control multiple CEC-enabled devices such as TVs, set-top boxes, etc.

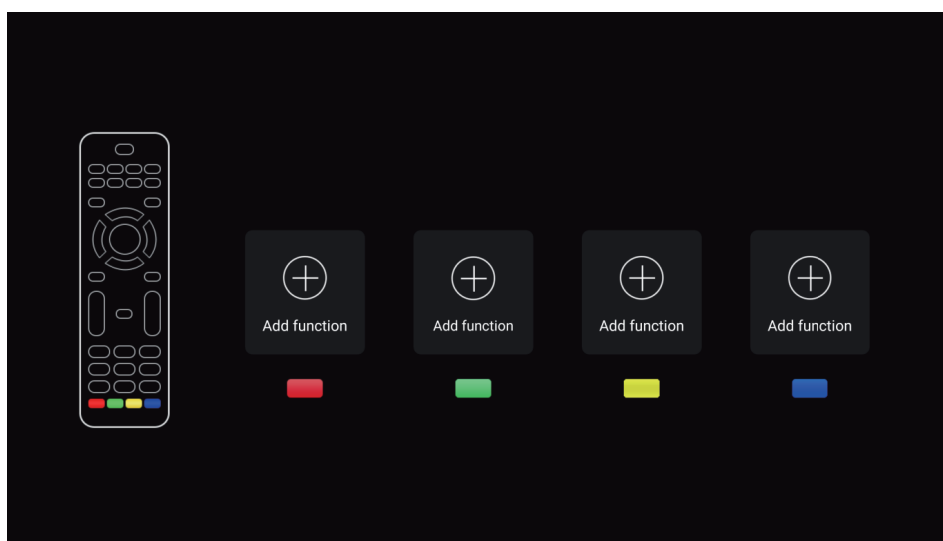
HDMI CEC	Function Introduction
TV wakes up the Media Player	---
TV turns off the Media Player	---
Media Player wakes up TV	---
Media Player turns off TV	---
TV remote controls Media Player	The direction keys, OK key, menu key, and return key on the TV remote control can be used to control the media player
Media Player controls TV volume	When the HDMI audio settings are set to pass-through, the volume keys on the ZIDOO remote control will control the TV volume
Media Player controls AVR volume	When the HDMI audio settings are set to pass-through, the volume keys on the remote control of the ZIDOO will control the AVR volume
One Touch Play of Home key	When the TV has multiple signal sources input and is not currently on the ZIDOO source, pressing the ZIDOO remote's home key once will automatically switch the TV to the ZIDOO source
Inactive source turns off Media Player	When the TV has multiple signal sources input and is currently on the ZIDOO source, switching the TV to another source will automatically close the media player

### Note:

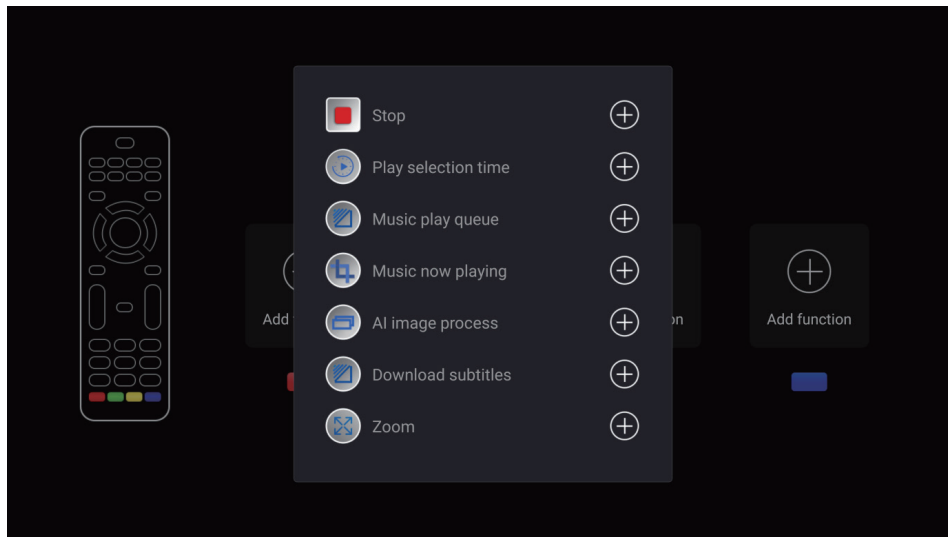
\*When HDMI is set to pass-through output, this function will send the control signal of the local speaker through CEC to the AV receiver or TV and other devices. Please make sure that other devices have CEC enabled when using this function. This function may have compatibility issues, and not all devices can be controlled.

# Color Keys Customization

1. Access Guide: Press any undefined color key on the remote control or open the Shortcut keys from all applications.



2. This function allows you to customize the remote control's red, green, and blue color keys as shortcuts for specific functions; supports customization such as music play queue, music now playing, AI image process, etc.

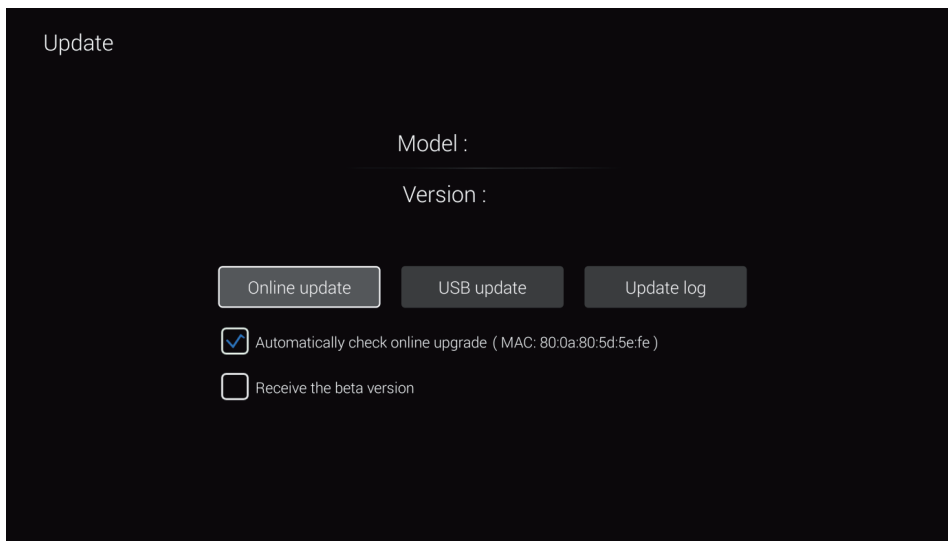




# OTA System Update

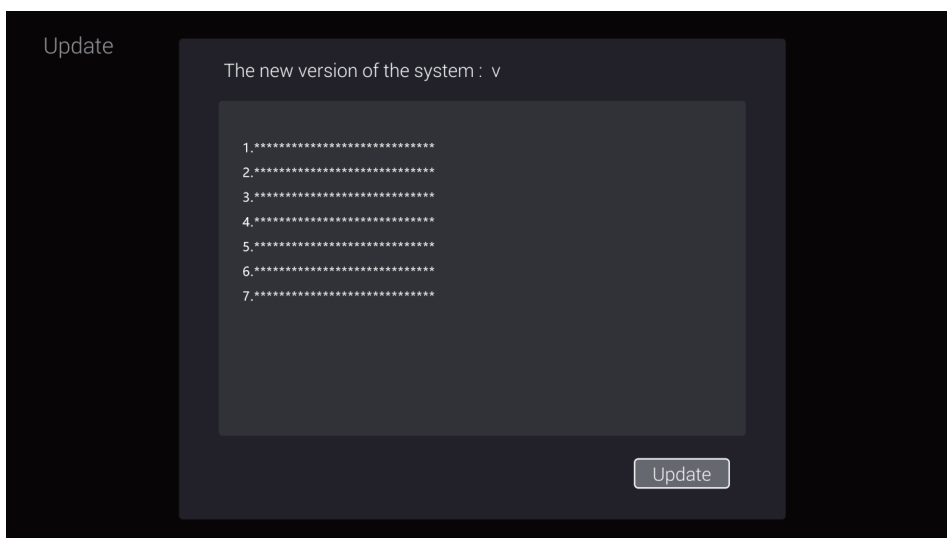
ZIDOO will update the firmware from time to time.

Find the update icon in APPs and click it, online update and local update are supported. After ticking "Automatically check online upgrade" , you will receive the prompt for the latest firmware update automatically.



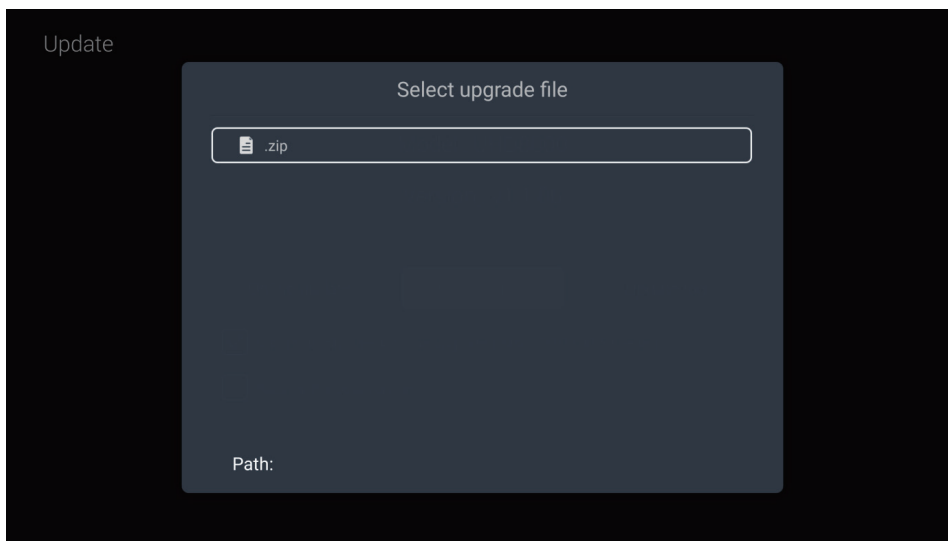
## 1. Online Update

Click the "Online Update" option to receive online update information and proceed with the update.

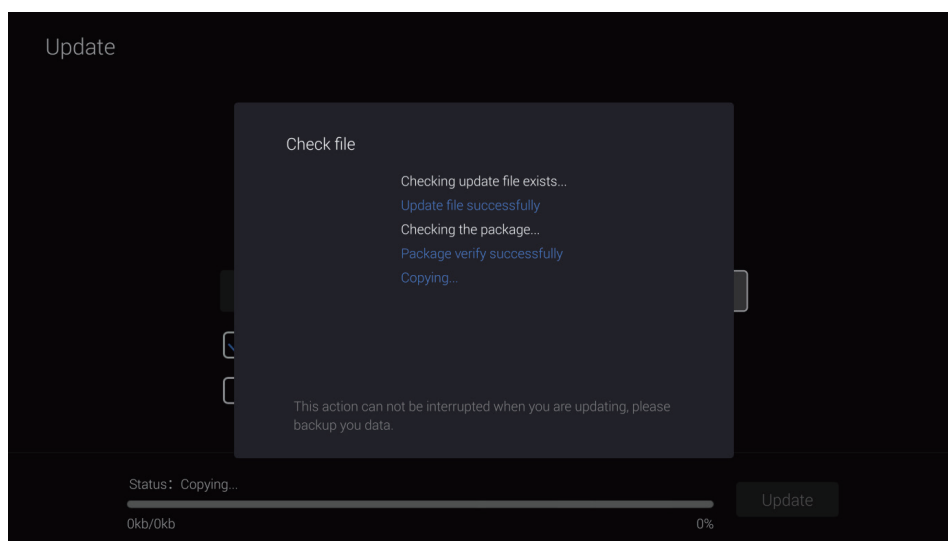


## 2. Local Update

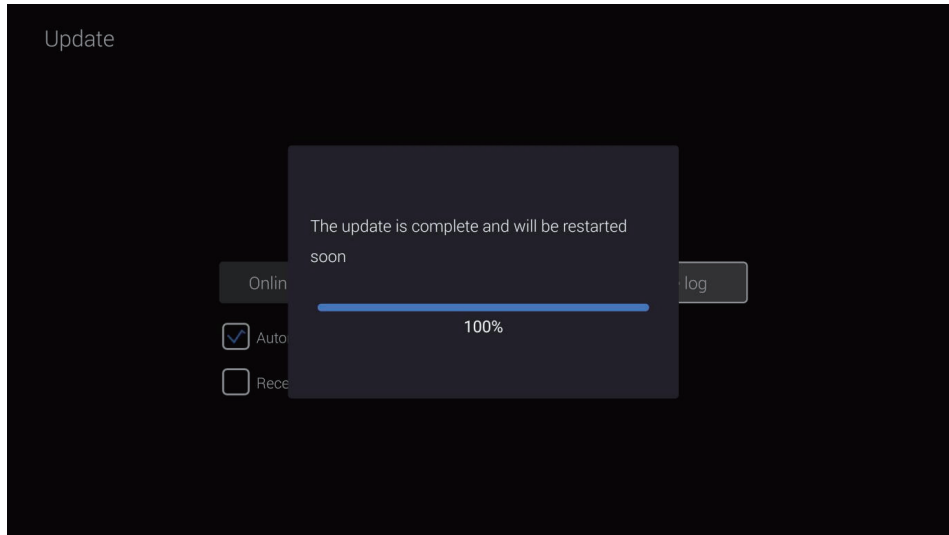
① Users can manually download the update file from the forum or official website and update the system locally. Copy the downloaded update file to a USB drive (no need to unzip it), and then click the "USB Update" option to select the update file.



② After downloading the update file via online or USB Update, the system will automatically verify the integrity of the system file and begin the update.



**Note:** System will update automatically, please do not power off.



Once the update is completed, the system will automatically be restarted.

### **Special note:**

To guarantee user experience, ZIDOO will update the firmware occasionally. Therefore, this manual may not be totally in line with the product.

### **Safety Warnings:**

1. This device must not be exposed to splashes or drips of water, and items filled with liquids, such as vases, must not be placed on the device.
2. The AC power socket of this product is equipped with a disconnect device. The socket intended for use with this product should be installed near the product and should be easily accessible, without being obstructed by other objects.
3. This product is a Class II device, and the internal chassis must be grounded during use.

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